

## THE USE OF ROBOTICS ELEMENTS IN THE DEVELOPMENT OF STUDENTS ' TECHNICAL CREATIVITY SKILLS

**Olimjon Tuychiyev**

Bukhara State University

PhD student of the Department of Physics, UZBEKISTAN

### ABSTRACT

In this article, in addition to teaching students the scientific foundations, structure, processes of their creation and operation of modern technologies, which are being used in various branches of our daily life and production in general secondary schools, the lesson from physics and deregulation of lessons, the possibilities of using the elements of robotics in the development of technical creativity skills of students. In the educational system, the stages of development of Science and technology, the penetration of robotic devices in connection with innovative production conditions, the evolution of their improvement, the conditions of use in the development of technical creativity skills of students in accordance with the subjects in the physical science program, as well as pedagogical opportunities were studied. The main stages of the development of robotics and the study of the field of scientific and technical knowledge, the essence of the concept of robotics, the role and role of robotics in the production and social sphere, the variety of device types, the opportunities for students to have competences on modern trends in the development of robotics are based on the pedagogical aspect. In the lessons and lessons from physics, the students were recommended to have knowledge on the importance of robots, the process of working on the basis of physical processes of robotic devices, the creation and modernization of robot models, sufficient knowledge about the near future provided with robotic systems, be able to analyze the educational materials corresponding to the subject, the methodology of teaching. In the process of extracurricular and extracurricular activities from physics, the teacher's instruction in the development of technical creativity skills of students, as well as ideas about the formation of Circle competents for the design and manufacture of various automatic devices independently are described.

**Keywords:** Technical creativity, physics, informatics, technology, robotics, competence, physical process, modern technology.